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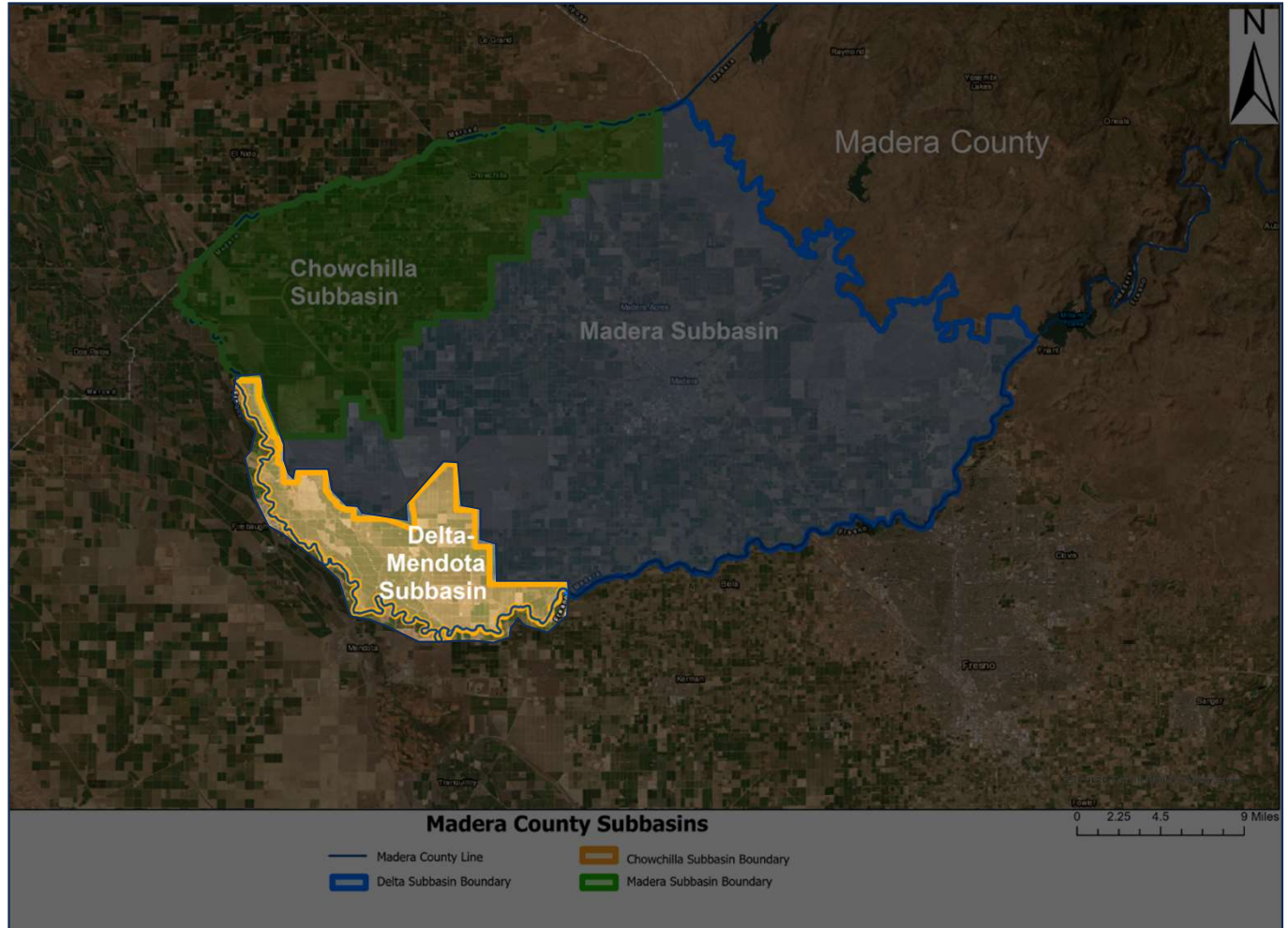
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COUNTY

HEART OF CALIFORNIA



Consideration of Adoption of the 2024 Delta-Mendota Groundwater Sustainability Plan



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Sustainable Groundwater Management Act of 2014 (SGMA)

- Formed Groundwater Sustainability Agency (GSA) with the intent of local control of Groundwater Management, through the implementing of Groundwater Sustainability Plans (GSPs)
- On May 13, 2017, Madera County became the GSA for the portion of the Delta-Mendota Subbasin, within the County of Madera, not already covered by another agency
- Madera County Delta-Mendota GSA is one of twenty-three GSAs in the basin
- The twenty-three GSAs make up seven GSA Groups



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San Joaquin River Exchange Contractors GSA Group (SJREC)

Out of the seven GSA Groups in the Delta-Mendota, Madera County GSA is part of SJREC GSA Group which includes eleven other GSAs

- City of Dos Palos GSA
- City of Firebaugh GSA
- County of Fresno GSA - Delta-Mendota Management Area B
- City of Gustine GSA
- City of Los Banos GSA
- City of Mendota GSA
- City of Newman GSA
- County of Madera GSA - Delta-Mendota
- County of Merced GSA - Delta-Mendota
- San Joaquin River Exchange Contractors GSA
- Turner Island Water District GSA - Delta-Mendota



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Plan Submissions for the Delta-Mendota and Current Status

- January of 2020- Six GSP plans submitted for the Delta-Mendota Subbasin to Department of Water Resources (DWR)
 - All six GSPs: Deemed “Incomplete” by DWR on January 21, 2022
- July of 2022, six Revised 2020 GSPs resubmitted for the Delta-Mendota Subbasin to DWR
 - All six Revised GSPs: Deemed “Inadequate” by DWR on March 2, 2023
- Delta-Mendota Subbasin is now subject to the State Water Resources Control Board (SWRCB) intervention process
- Delta-Mendota Subbasin Public Hearing is being planned for the first quarter of 2025



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2024 Delta-Mendota GSP

In response to DWR's "Inadequate" determination of the Revised GSP

- Created a Single GSP to submit to the State Water Resources Control Board (SWRCB)
- Coordination Committee has accepted the final draft of this GSP July 22, 2024

The full 2024 Single GSP can be found at the link below

<https://deltamendota.org/final-gsp-documents/>

The 2024 Delta-Mendota GSP addresses the three main deficiencies outlined in DWR's "Inadequate" determination letter through Corrective Actions



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2024 Delta-Mendota GSP

Corrective Action #1- Using the same data and methodologies:

- Develop a single GSP
- Established a uniform Basin Setting using the same data and methodologies
- Revised the Sustainability Management Criteria to be consistent across the Basin
- Established a Basin-wide monitoring network
- Developed a Basin-wide Pumping Reduction Plan (PRP) to be implemented by 2025



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2024 Delta-Mendota GSP

Corrective Action #2- Establish common definitions of undesirable results in the Subbasin:

- Updated Basin-wide criteria for Undesirable Results for each applicable Sustainability Indicator
- Revised Sustainability Management Criteria for each applicable Sustainability Indicator
- Used common Basin-wide methodologies to revise the Measurable Objectives (MOs), Minimum Thresholds (MTs), and Interim Milestones (IMs)



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2024 Delta-Mendota GSP

Corrective Action #3– Set sustainable management criteria in accordance with the GSP Regulations:

- Revised Basin-wide definitions for Sustainable Management Criteria for each applicable Sustainability Indicator at all Representative Monitoring Sites
- Used explicit (i.e., quantitative) criteria for Undesirable Results that define the groundwater conditions
- Described the process used by GSAs to define Undesirable Results, establish the MTs and MOs, and set IMs for each applicable Sustainability Indicator
- For Chronic Lowering of Groundwater Levels, added a well impacts analysis to the justification of criteria for Undesirable Results that demonstrates in the worse-case scenario



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2024 Delta-Mendota GSP

Well Mitigation Policy

- Conduct public outreach regarding well mitigation
- Conduct preliminary reviews and field investigations of wells that potentially have gone dry
- Provide short-term emergency water supply to wells that qualify
- Fund professional well assessments for wells that qualify
- Determine and fund permanent solutions for wells that qualify



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Delta-Mendota Opportunities for Outreach

- Delta-Mendota Coordination Committee Meeting- Generally monthly since August 2017
- 2024 Water Leadership Institute- Spring-Summer 2024
- Community Water Needs Assessment -2024
- Webinars on Draft 2024 Delta-Mendota GSP- May and June of 2024
- Public Meeting on New Delta-Mendota GSP- June 2024
- Subbasin Website- <https://deltamendota.org/>
- Delta-Mendota Quarterly Basin Newsletter

And various Technical, Communication, and Stakeholder Workshops
Pre-2020



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Staff Recommendation

Adopt the 2024 Delta-Mendota GSP



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Back up slides

Table SMC-1. Summary of Sustainable Management Criteria

Sustainability Indicator	Undesirable Results Criteria	Minimum Threshold	Measurable Objective
Chronic Lowering of Groundwater Levels	At least one of the following occurs as a result of groundwater management within the Basin: <ol style="list-style-type: none"> 1. Groundwater levels decline below the established MTs in 25 percent or more of the RMW-WLs for two consecutive years, or 2. More than 10 drinking water wells are reported as dry in any given year, or 3. More than 170 drinking water wells are cumulatively reported dry by 2040 (10 wells per year over 17 years). 	2015 Low Groundwater Elevation (Measured or Approximated Based on Available Data and Allowing for a Minimum of 20 Feet of Operational Flexibility Between the MO and MT)	2015 High Groundwater Elevation (Measured or Approximated)
Reduction in Groundwater Storage	Chronic Lowering of Groundwater Levels Used as a Proxy	Chronic Lowering of Groundwater Levels Used as a Proxy	Chronic Lowering of Groundwater Levels Used as a Proxy

Sustainability Indicator	Undesirable Results Criteria	Minimum Threshold	Measurable Objective
Seawater Intrusion	Not Applicable	Not Applicable	Not Applicable
Degraded Water Quality	MTs for a groundwater quality COC are exceeded in 15 percent of the RMW-WQs in three consecutive semiannual monitoring events and are caused by groundwater management within the Basin.	The greater concentration of either: 1. The applicable health-based screening standard (i.e., the MCL). 2. The baseline condition at each RMW-WQ, defined as the average measured concentrations in either: (1) the last calendar year with data in the period of 2010-2014; or if no data are available from 2010-2014, (2) the first calendar year with data after 2014 plus the maximum annual fluctuation range.	MT concentration for each RMW-WQ and COC.
Land Subsidence	The extent or rate of subsidence exceeds the applicable MT at any RMS-LS as a result of groundwater management within the Basin, based on a 5-year moving average.	<u>Extent</u> : 2.0 ft of cumulative subsidence between 2020 and 2040; <u>Rate</u> : Maximum five year moving average rate of 0.2 ft/year of subsidence	<u>Extent</u> : 0.0 ft of cumulative subsidence after 2040 <u>Rate</u> : 0.0 ft/yr of subsidence after 2040
Interconnected Surface Water	MT is exceeded for two consecutive years caused by groundwater extraction within the Basin.	Model-estimated Basin-wide depletion rate of 12,000 AFY.	Model-estimated Basin-wide depletion rate of 6,700 AFY.

13.1.3.2 Interim Milestones Development

☑ 23 CCR § 354.30(a)

☑ 23 CCR § 354.30(e)

The Interim Milestones (IMs) for Chronic Lowering of Groundwater Levels are defined as follows based on the MTs and MOs and are shown in **Table SMC-2** in five-year increments.

- For RMW-WLs where the most recent groundwater elevation measurement⁴⁴ was above the MT, the IM is to maintain water levels above the MT and reach MO groundwater elevation (or higher) by 2040.
- For RMW-WLs where the most recent groundwater elevation measurement was below the MT or for RMW-WLs that do not have a recent groundwater elevation measurement, the IM is to increase water levels above the MT by 2025 and reach MO groundwater elevation (or higher) by 2040.

Post 2020 Outreach

**Appendix E-2
Public Outreach and Meetings Log (Post-2020)**

GSA Group	Outreach Type	Meeting Date	Meeting Location	Topic	Notes
Entire Basin	Coordination Committee Meetings	Monthly	Los Banos, SLDMWA Office	Updates on SGMA-related activities	
	2024 Water Leadership Institute	Four full-day workshops; 3/9/2024, 4/13/2024, 5/11/2024, 6/15/2024	Los Banos	Educate underserved populations, including residents in DACs and SDACs, with the skills and opportunity to engage on water issues	Partnered with Environmental Defense Fund (EDF) and the Rural Community Assistance Corporation (RCAC)
	Community Water Needs Assessment	2024	N/A	Updating the Community Water Needs Assessment reports, including the identification and engagement of water leaders in DACs, SDACs, and EDAs for engagement in the GSP development process.	
	Webinar on Draft GSP	5/10/2024, 6/7/2024		Overview of the draft GSP and information on how to submit comments	
	Public Meeting on New GSP	6/18/2024	Los Banos Community Center	Overview of the draft GSP and information on how to submit comments	Attached two-page GSP summary was printed and handed out at this public meeting.
	Subbasin Website	N/A	http://deltamendota.org	Subbasin SGMA information and updates	
	Quarterly Basin Newsletter	Quarterly		Subbasin SGMA Updates	
Aliso Water District	Aliso Water District GSA Board Meeting	Quarterly	Madras, AMO Office	Quarterly Board Meeting	

Pre-2020 Outreach

GSA Group	Outreach Type	Meeting Date	Meeting Location	Topic	Notes
Entire Basin	Coordination Committee Meeting	Generally monthly since August 2017	Los Banos, SLDMWA Office	Updates on SGMA-related activities	
	Technical Working Group Meetings	Monthly from September 2017 to February 2019	Los Banos, SLDMWA Office	Technical issues related to GSP development and implementation	Combined with Coordination Committee Meetings after February 2019
	Communication Working Group Meeting	Eight Meetings from February 2018 to May 2019	Held via Conference Call	Coordinate messaging, education and outreach throughout the Basin relative to SGMA and GSP requirements	Group has been disbanded and no longer meets
	Delta-Mendota Subbasin Website	2018	N/A	SGMA information for the Subbasin	www.deltamendota.org
	Stakeholder Workshop	5/14/2018	Los Banos, SLDMWA Office	<ul style="list-style-type: none"> • SGMA and Basin Overview • Opportunities for Engagement 	
		5/16/2018	Los Banos, SLDMWA Office		
		5/17/2018	Los Banos, SLDMWA Office		
		10/22/2018	Firebaugh, Firebaugh Middle School	<ul style="list-style-type: none"> • Data Collection • HCM 	
		10/24/2018	Los Banos, College Greens Building		
		10/25/2018	Patterson, Hammon Senior Center	<ul style="list-style-type: none"> • Groundwater Models 	
		2/19/2019	Los Banos, College Greens Building	<ul style="list-style-type: none"> • Historic and Current Water Budgets • Sustainability Criteria / URs 	
		2/20/2019	Patterson, Patterson City Hall		
		3/4/2019	Santa Nella, Romero Elementary School	<ul style="list-style-type: none"> • P/MAs 	
		5/20/2019	Patterson, Patterson City Hall	<ul style="list-style-type: none"> • Projected water budgets • Sustainable yield • Groundwater monitoring networks • P/MAs 	
		5/21/2019	Los Banos, College Greens Building		
		5/22/2019	Santa Nella, Romero Elementary School		
		5/23/2019	Mendota, Mendota Library		
	Central Valley Basin Meetings	10/20/2017			
		1/29/2018			
		4/2/2018			
6/8/2018					
Workshop with CDFW, TNC, and the Audubon Society	8/24/2018			Management of GDEs as a beneficial user of groundwater	